**Meeting Minutes**

**Date:** March 20, 2014

**Start Time:** 3:30pm

**End Time:** 6:00pm

**Members Present:** Drew Aaron, Michael Beaver, Clay Borden,

Chad Farley, Andrew Hamilton, and Travis Hunt

**Members Absent:** N/A

**Topics** **Discussed**

* Machine Op Table
* Syntax Highlighting
* Frontend Development
* Translator
* Progress Report and Client Questions
* Spring Break Milestones

**Decisions and Actions Taken**

Andrew began implementing the Machine Op Table array. This array will be hardcoded and searched using a Binary Search algorithm. This approach to the Machine Op Table should be easily extendible for including new instructions in the future. Andrew, Travis, and Chad also discussed different array structures (e.g., 2D arrays or parallel arrays). The opcode will be stored in a separate parallel array with another 2D array with the necessary information for each opcode. Michael noted that the Machine Op Table will also need an entry for the operation’s actual object code to be used in Pass 2 and by the Simulator.

Drew has made considerable progress with the syntax highlighting in the Source Code Editor. However, there are so many possible cases that the actual implementation is proving to be rather challenging. Hence, the syntax highlighting may not be completed until Spring Break or thereafter. There is also the possibility of using a prebuilt open source editor that includes syntax highlighting.

Drew and Clay continued work on the Frontend. Drew focused mainly on the syntax highlighting. Clay focused on the Save and Print functionalities. Clay will also begin generating the User Manual.

Chad, Travis, and Michael discussed the particulars of the Translator and the Assembler. Travis has implemented most of Pass 1 of the Translator. The Assembler will make use of the Pass 1 and Pass 2 portions of the Translator.

Travis generated a progress report for the night’s client meeting. Michael generated a list of questions for the client. Travis compiled a list of Spring Break milestones.